

**Dr. Arunangshu Mukherjee**

**Position: Associate Consultant (Hydrogeologist)**

**Qualifications:** PhD (Geology) M. Sc (Geology)

**Relevant Experience**

**About Dr. Arunangshu**

*Dr. Arunangshu has 28 years of experience in Hydrogeology, He is Prof. and HOD of Earth Sciences and Environment of Manav Rachna International Institute of Research and Studies (MRIIRS), also was Prof. in Civil Engg. Dept. in MRIIRS, Former Scientist (D) in Central Ground Water Board and Upper Yamuna River Board, Ministry of Water Resources, Govt. of India.*

*His professional qualification includes PhD (Geology), MSc (Geology).*

*He has worked in and executed more than 15 prestigious hydrogeological projects under Central Groundwater Board and accomplished 6 hydrogeological assignments till now under MRIIRS. Apart from these he has published several academic papers on hydrogeological investigation, water security management, water quality assessment in both national and international journals.*

*The list of books published are Arsenic problem in groundwater and its remediation in Ganga Basin,( Ed) 2017, CGWB publication, Hydrogeology of Selected Smart Cities of India, (Ed) 2016, INC\_IAH Publication, Proceedings of Workshop on Paleochannel at Allahabad ( Ed) 2015, CGWB publication, Clean and sustainable groundwater in India 2018 (Ed) Springer Hydrogeology, DOI:10.1007/978.981-10- 4552-3 and Proceedings of International Conference on Environmental Challenges and Solutions, 2020*

*The honors/awards received are Grabbed Aqua Excellence Institutional Award, 2017 for Resource Management given by Aqua foundation to the CAWTM, MRIIRS , Recipient of “Smt. Savitri Chadha Memorial INC-IAH Award of Excellence in Ground Water Investigation and Management” 2015 conferred by Indian Chapter of IAH, Recipient of best poster award during GCG 2016 on theme –source, distribution & mechanism by Teri University & USAID at New Delhi, Best paper award in Water Sciences Section 2002 RSU Raipur, M P Young Scientist Award in Geology in 1990.*

*He is the member of Associate Editor J. Ambient Science and Bhujal News, Member of International Association of Hydrogeologist from 2012, Membership number 133917, Junior Research Fellowship, Senior Research Fellowship and Research Assistantship of CSIR, New Delhi 1986-93.*

* Groundwater exploration and regime monitoring of semi-arid and arid India.
* Aquifer mapping of major hard rock, semi consolidated rock, and soft rock aquifers of India
* Hydrogeological investigations in Karst aquifer terrain including land subsidence study of karstic area.
* Groundwater recourse estimation, study of geogenic contamination of ground water by sulphate and Arsenic
* Groundwater regulation under CGWA and management through under CGWB.
* Planning, design, and site selection for water wells for community water supply and rainwater harvesting – artificial recharge.
* Comprehensive Strategy for revival of dry lake and catchment treatment plan, created political awareness which was essential for funding.
* Developed and disseminated technologies and monitored, and implemented national policies for the Scientific and sustainable development and management of India’s Ground water resources
* Monitoring of fresh water – saline water inter phase movement at the Thar desert, utilization of saline aquifer for industrial development.
* Utilization of saline aquifer for recourses development in Ganga basin.

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| *Period* | |  | *Position* |  | *Organization* |
| *Aug 2020* | *Present* |  | *Associate Consultant*  *(Hydrogeologist)* |  | *Geovale Services, India* |
| *Aug 2019* | *Present* |  | *Prof. and HOD of Earth Sciences and Environment and in CAWTM* |  | *Manav Rachna International Institute of Research and Studies (MRIIRS)* |
| *Aug 2017* | *Aug 2019* |  | *Prof. in Civil Engg. Department and in CAWTM* |  | *Manav Rachna International Institute of Research and Studies (MRIIRS)* |
| *24 Years* | |  | *Former Scientist (D)* |  | *CGWB and Upper Yamuna River Board, Ministry of Water Resources, Govt. of India* |